

### **AMENDMENTS TO THE CLAIMS**

Please cancel claims 1-35, and add new claims 36-51. No new matter is believed to be introduced by the aforementioned new claims. The following listing of claims will replace all prior versions and listings of claims in the application.

1. – 35. **(Canceled)**

36. **(New)** A method for detection of data corruption, the method comprising:  
performing a procedure on a component so as to generate calibration data concerning the component;  
transmitting the calibration data to an external storage source over a distributed network;  
receiving a message over the distributed network concerning an error detected in the calibration data; and  
informing an operator of a calibrating device of the error detected in the calibration data.

37. **(New)** The method of claim 36, further comprising storing, at the calibrating device, the calibration data.

38. **(New)** The method of claim 36, further comprising storing the calibration data in an archive storage device.

39. **(New)** The method of claim 36, further comprising temporarily storing the calibration data in a file.

40. **(New)** The method of claim 39, wherein transmitting the calibration data to an external storage source over the distributed network comprises transmitting contents of the file to a database over the distributed network, the transmitting of the file contents being performed in accordance with predetermined criteria.

41. **(New)** The method of claim 36, wherein transmitting the calibration data to an external storage source over the distributed network comprises transmitting the calibration data to a database.

42. (New) The method of claim 36, wherein the operator is informed of the error in real time.

43. (New) The method of claim 36, wherein receiving a message over the distributed network concerning the error detected in the calibration data comprises receiving instructions pertaining to steps that the operator should follow to correct the error in the calibration data.

44. (New) The method of claim 36, wherein informing an operator of the calibrating device of the error detected in the calibration data comprises visually displaying the message to the operator of the calibrating device.

45. (New) A method for managing data, the method comprising:  
receiving, over a distributed network, calibration data from one or more calibrating devices;  
storing the calibration data received from the one or more calibrating devices in a database such that the calibration data is organized in a standard format that can be compared with other calibration data; and  
enabling the calibration data to be accessed by one or more network devices of a global network.

46. (New) The method of claim 45, further comprising transmitting a message to one of the calibrating devices.

47. (New) The method of claim 45, wherein calibration data is received concurrently from a plurality of the calibrating devices.

48. (New) A method performed by a network device communicatively connected to one or more calibrating devices and a storage source within a distributed network, the method comprising:  
accessing calibration data stored in the storage source corresponding to the one or more calibrating devices;  
identifying one or more errors in the calibration data corresponding to one of the calibrating devices; and  
transmitting a message to the calibrating device corresponding to the one or more errors.

49. (New) The method of claim 48, wherein transmitting a message to the calibrating device comprises transmitting instructions pertaining to steps that an operator of the calibrating device should follow to correct the one or more errors in the calibration data.

50. (New) The method of claim 48, wherein identifying one or more errors in the calibration data comprises:

- searching the calibration data for components which have skipped a required procedure;
- and
- evaluating the calibration data to determine if a particular component has been improperly calibrated.

51. (New) The method of claim 48, wherein searching the calibration data for components which have skipped a required procedure comprises:

- analyzing the calibration data to determine procedures required to be performed by the calibration device upon the components; and
- determining if any of the required procedures are missing for any of the components.